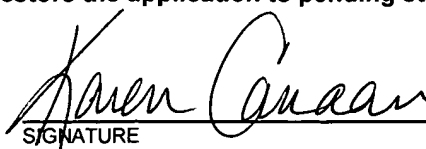


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FORM PTO-1390 (REV 10-2003)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER 1300-0015
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>			U.S. APPLICATION NO. (If known, see 37 CFR 1.5)
			Unpublished <b>10/525278</b>
INTERNATIONAL APPLICATION NO. PCT/EP2003/009126	INTERNATIONAL FILING DATE August 18, 2003	PRIORITY DATE CLAIMED August 19, 2002	
TITLE OF INVENTION SINGLE NUCLEOTIDE POLYMORPHISMS SENSITIVELY PREDICTING ADVERSE DRUG REACTIONS (ADR) AND DRUG EFFICACY			
APPLICANT(S) FOR DO/EO/US Stephan Schwerts, Harald Kallabis, Udo Stropp			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))               <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).               <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))               <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input type="checkbox"/> A preliminary amendment.</li> <li>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input checked="" type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A change of power of attorney and/or or address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input type="checkbox"/> Other items or information:</li> </ol>			

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) Unassigned <b>10/525273</b>		INTERNATIONAL APPLICATION NO. PCT/EP2003/009126		ATTORNEY'S DOCKET NUMBER 1300-0015	
<b>21. <input checked="" type="checkbox"/> The following fees are submitted:</b>  Basic national fee <span style="float:right">\$300.00</span>  <b>22. <input checked="" type="checkbox"/> Examination Fee</b> If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) <span style="float:right">\$100.00</span>  All other situations <span style="float:right">\$200.00</span>  <b>23. <input checked="" type="checkbox"/> Search Fee</b> Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority <span style="float:right">\$100.00</span> International Search Report prepared and provided to the Office <span style="float:right">\$400.00</span> All other situations <span style="float:right">\$500.00</span>  <div style="text-align: right;"><b>Total of 21, 22 and 23 =</b></div>				<b>CALCULATIONS PTO USE ONLY</b>	
				\$300	\$
				\$200	
				\$500	
				\$1000	
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing for computer program listing filed in an electronic medium. The fee is \$250 for each additional 50 sheets of paper or fraction thereof..					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	Rate		
176 - 100 =	76/50 =	2	X \$250	\$500	
<input type="checkbox"/> Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	19 - 20 =	*	x \$50.00	\$	
Independent claims	3 - 3 =	*	x \$200.00	\$	
MULTIPLE DEPENDENT CLAIMS(S) (if applicable)				+ \$360.00	\$360
<b>TOTAL OF ABOVE CALCULATIONS =</b>					\$1860
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
<b>SUBTOTAL =</b>					\$1860
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
<b>TOTAL NATIONAL FEE =</b>					\$1860
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property.				+	\$
<b>TOTAL FEES ENCLOSED =</b>					\$1860
				Amount to be refunded:	\$
				charged:	\$
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$1860 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge Deposit Account No. 18-0580 in the amount of \$* to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 18-0580. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.</p> <p><b>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b></p> <p>SEND ALL CORRESPONDENCE TO:</p> <p style="margin-left: 40px;">Reed Intellectual Property Law Group 800 Menlo Avenue, Suite 210 Menlo Park, California 94025</p> <div style="text-align: right; margin-top: 20px;">         SIGNATURE        Karen Canaan        NAME        42,382        REGISTRATION NUMBER     </div>					